

HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC ROUND PIPE CULVERT FILL HEIGHT TABLES

CORRUGATED			
PIPE SIZE DIA. (mm)	MIN. COVER		MAX. FILL HEIGHT (m)
	(A) (m)	(m)	
450	0.6	0.6	9
600	0.6	0.8	9
750	0.6	1.0	9
900	0.6	1.2	9

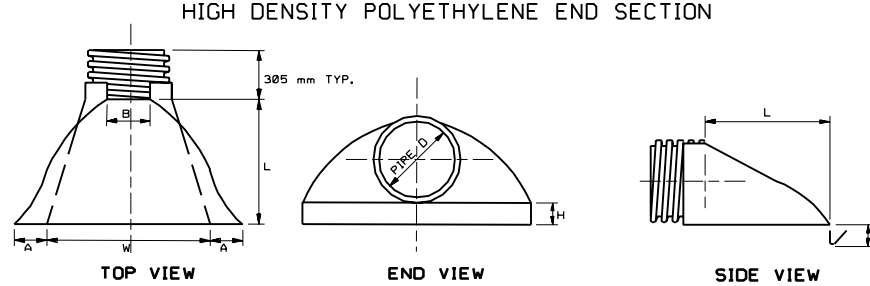
NOTE (A) FLOWABLE FILL PROVIDE ADEQUATE FLOTATION
RESISTANCE, JOINTS SHALL HAVE GASKETS.

RIBBED - SMOOTH LINED			
PIPE SIZE DIA. (mm)	MIN. COVER		MAX. FILL HEIGHT (m)
	(A) (m)	(m)	
450	0.6	0.6	7.3
600	0.6	0.8	7.3
750	0.6	1.0	7.3
900	0.6	1.2	7.3

SMOOTH WALL (SOLID WALL)						
PIPE SIZE DIA. (mm)	MIN. COVER		MINIMUM WALL THICKNESS IN (mm)			
	(A) (m)	(m)	15.4	21.7	23.4	29.3 35.2
			MAX. FILL HEIGHT (m)			
450	0.6	0.6		14.0		
600	0.6	0.8			10.3	
750	0.6	1.0				10.3
900	0.6	1.2				10.3

POLYVINYL CHLORIDE (PVC) PLASTIC ROUND PIPE CULVERT FILL HEIGHT TABLE

RIBBED - SMOOTH LINED			
PIPE SIZE DIA. (mm)	MIN. COVER		MAX. FILL HEIGHT (m)
	(A) (m)	(m)	
450	0.6	0.6	8.2
600	0.6	0.8	7.6
750	0.6	1.0	7.0
900	0.6	1.2	6.7



PIPE DIAMETER (mm)	DIMENSIONS IN MILLIMETERS				
	A(25±)	B MAX	H(25±)	L(13±)	W(50±)
450	191	381	165	813	889
600	191	457	165	914	1143
750	267	N/A	178	1346	1727
900	267	N/A	178	1346	1727

NOTE: 1. IN ORDER TO ASSURE PROPER FIT WITH 750 mm. AND 900 mm. THESE END
SECTIONS ARE ATTACHED BY WELDING TO A SHORT STUB OF 750 mm OR
900 mm PIPE AND REQUIRE A STANDARD CONNECTING BAND TO MAKE THE
ATTACHMENT.

2. DO NOT USE THESE CULVERT END SECTIONS WITHIN THE CLEAR ZONE.

CLEAR ZONE - THE TOTAL ROADSIDE BORDER AREA, STARTING
AT THE EDGE OF THE TRAVELED WAY, AVAILABLE
FOR SAFE USE BY ERRANT VEHICLES. THIS AREA
MAY CONSIST OF A SHOULDER, A RECOVERABLE
SLOPE, A NON-RECOVERABLE SLOPE, AND/OR A
CLEAR RUN-OUT AREA. THE DESIRED WIDTH IS
DEPENDENT UPON THE TRAFFIC VOLUMES AND
SPEEDS, AND ON THE ROADSIDE GEOMETRY.

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE SHOWN.

REVISIONS 1. 08/21/00 DS CHANGED SHEET NUMBER FROM 605-2B TO 605-3 AND REVISED ENTIRE DRAWING. 2. 04/10/01 BA ADDED HEADS ADDED TO DETAIL NO. OTHER CHANGES.		UTAH DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION SALT LAKE CITY, UTAH		APR. 10, 2001 DATE APR. 10, 2001 DATE	
RECOMMENDED FOR APPROVAL STANDARD DRAWINGS COMMITTEE APPROVED		RECOMMENDED FOR APPROVAL STANDARD DRAWINGS COMMITTEE APPROVED		DEPUTY DIRECTOR	
(METRIC) HOPE END SECTION AND FILL HEIGHTS FOR PLASTIC ROUND PIPE CULVERT		STANDARD DRAWING TITLE		STD. DWG. NO. 605-3	